Bhruhat Bangalore Mahanagara Palike
Yelahanka Zone Bangalore-92.

Office of the Executive Engineer (Elect)
Yelahanka Zone
BBMP, Bangalore-92.

No.EE(Elec)/YZ/SWO/000001/2020-21 Dated: 08.06.2020

SUPPLIMENTRAY WORK ORDER

Job No: 008-17-000058
P-2178

To,
Technical Manger
Karnataka Rural Infrastructure Development Ltd,
BBMP, Bangalore. 560010.

Sir,

Sub :- *Sub Estimate for Providing Pathway Lighting to CQAL Layout Park in Ward No 08*

Ref :- 1) Sub Estimate Amount: Rs.**3,30,000/-**
2) BBMP/CE/YZ/AS/119/18-19, Dated:08.01.2019.
3) Modified TS: BBMP/ EE/ELE/YZ/TS/39/19-20, Dt:20.03.2020.
4) BBMP/EE/BTP/WO/249/18-19,Dated:28/02/2019.
5) Tender Approved Amount: **Rs.3,30,000/-**

* * *

By the virtue of having executed the agreement and the same has been accepted by the competent authority and you are informed to commence the above work forthwith in consultation with the Assistant Executive Engineer (Electrical) and complete the same as per **Rs.3.30 lakhs** the Supplymentary Agreement. The electrical fittings and other accessories to be got approved before starting the work.The bill of quantites attached along with Supplymentary agreement.

Yours Faithfully,

Executive Engineer (Elecl.)
Yelahanka Zone
Bruhat Bangalore Mahanagara Palike

1. Copy to AEE (Elecl.) along with a copy of rate list for further necessary action.
2. Copy to Accounts Superintendent.
3. Copy to AE / JE.
4. Office Copy.

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Bhruhat Bangalore Mahanagara Palike

BRUHAT BANGALORE MAHANAGARA PALIKE

Yelahanka Zone, Electrical Division

Office of the Executive Engineer
Electrical Division, Yelahanka Zone
Bruhath Bengaluru Mahanagara Palike

"Shedule-B"

Name of Work:-Detailed Sub Estimate for Providing Pathway Lighting to CQAL Layout Park in Ward No 08

Sl.No	Qty	Description Of Work	Unit	Quoted Rates	
				In figures	In words
1	13	Fabricating, supplying and erection of ...Mtrs long hot dip **Galvanized Conical pole** with BSEN 10025 grade S355JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec for .....Mtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS having dimensions bottom .....mm, top....mm with 3mm thick, suitable base plate and 4Nos of long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc.(excluding foundation) as per drawing appended.3 meters - Top 75mm and bottom 105 mm dia	Nos	5037.00	Rupees Five Thousand Thirty Seven Only
2	13	Supplying, and fixing of Hot dip Galvanized M.S.Bracket suitable for out door luminaries and mounted on Octagonal pole using necessary bolts, nuts etc., complete Single Arm Bracket with 1000mm Standard 40/50MM dia	Nos	1689.00	Rupees One Thousand Six Hundred Eighty Nine Only
3	310	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm	Mtrs	150.00	Rupees One Hundred Fifty Only
4	310	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct.6 sqmm to 16 sqmm	Mtrs	11.88	Rupees Eleven And Paise Eighty Eight Only
5	250	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2 P-7)In soil (ordinary)	Mtrs	76.00	Rupees Seventy Six Only
6	100	Wiring for lighting/power circuit using one of **FRLS** PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694 confirming to latest amendments.1.5 sqmm	Mtrs	20.50	Rupees Twenty And Paise Fifty Only
7	8	10 sqmm	Mtr	115.00	Rupees One Hundred Fifteen Only
8	13	Providing Rcc Pole pedstal of Size 0.3x0.3x0.8 Mtrs Including digging of pit, tor steel, anchoring bolts nuts ,templates ,Centring,1:4:8base concrete,1:2:4pedestal concrete and etc coplete as per the data sheet enclosed	Nos	1080.00	Rupees One Thousand Eighty Only

EXEGUTIVE ENGINEER-4
KRIDL BBMP DIVISION
BENGALURU-560 010

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
(ವಿದ್ಯುತ್) ಯಲಹಂಕ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

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9	13	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with W System Power **consumption** LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source.LED Streetlight 25watts	Nos	1840.00	Rupees One Thousand Eight Hundred Forty Only
10	7	LED Streetlight 90 Watts	No	7160.00	Rupees Seven Thousand One Hundred Sixty Only
11	1	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12 mm dia	No	2999.70	Rupees Two Thousand Nine Hundred Ninety Nine And Paise Seventy Only
12	30000	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete 16SWG	Sqcms	0.35	Rupees And Paise Thirty Five Only
13	8	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron... and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint 40x40x6mm	Nos	255.00	Rupees Two Hundred Fifty Five Only
14	1	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.100 to 125Amps	Nos	7200.00	Rupees Seven Thousand Two Hundred Only
15	2	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 40 Amps DP	Nos	1336.00	Rupees One Thousand Three Hundred Thirty Six Only

EXECUTIVE ENGINEER-4
KRIDL BBMP DIVISION
BENGALURU-560 010

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7	Supplying and Fixing of. mm dia class A GI pipe bracket up to 2 Mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluorescent tube street light fitting of all capacities to GI or CI or rail or RCC pole / wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires.Using 32mm dia G.I.Pipe	Nos	835.00	Rupees Eight Hundred Thirty Five Only
1	Supplying and fixing of Twin Dial electro mechanical timer (without contactor) using necessary bolts, nuts and washers etc.. Group A, PWD SR 2007-08.	Nos	4200.00	Rupees Four Thousand Two Hundred Only

I am prepared to take up the above work at rates quoted in the Schedule 'B'

EXECUTIVE ENGINEER-4
KRIDL BBMP DIVISION
BENGALURU-560 010

EXECUTIVE ENGINEER (ELEC)
BBMP, Yelahanka Zone

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